

SAFETY ORGANIZATIONS

THIS FILTER HAS BEEN FORMALLY RECOGNIZED, CERTIFIED OR APPROVED BY THE LISTED AGENCY. THEREFORE, ALL TEST/REQUIREMENTS SPECIFIED IN THE LATEST REVISION OF THE FOLLOWING AGENCY STANDARDS HAVE BEEN MET:

UL RECOGNIZED: UL 1283
 CSA CERTIFIED: CSA C22.2 No. 8
 VDE APPROVED: EN 60939-2

OPERATING SPECIFICATIONS

LINE CURRENT/VOLTAGE: 100 AMP 277 VAC LINE TO GROUND
 100 AMP 480 VAC PHASE TO PHASE

LINE FREQUENCY: 50-60Hz

MAXIMUM LEAKAGE CURRENT,
 EACH LINE TO GROUND: 30mA @ 277VAC 50 HZ

OPERATING AMBIENT TEMP. RANGE: -10°C TO +50°C @ RATED CURRENT, I_r .

IN AN AMBIENT, T_a , HIGHER THAN 50°C, THE MAXIMUM OPERATING CURRENT, I_o , IS AS FOLLOWS:

$$I_o = I_r \sqrt{\frac{100 - T_a}{50}}$$

RELIABILITY SPECIFICATIONS:

STORAGE TEMPERATURE: -40°C TO +85°C
 HUMIDITY: 21 DAYS @ 50°C 95% RH.
 CURRENT OVERLOAD TEST: 6 TIMES I_r FOR 8 SECONDS

TEST SPECIFICATIONS:

INDUCTANCE: .80 mH NOMINAL
 CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)
 LINE TO GROUND: 2.17 μ F±20%
 LINE TO LINE: 6.60 μ F±20%
 DISCHARGE RESISTOR: 660K Ω
 NO DISCHARGE RESISTOR: 6000M Ω (MIN.) 100VDC, 20°C AND 50% RH@

CUSTOMER DRAWING

CATALOG # 100BCF6

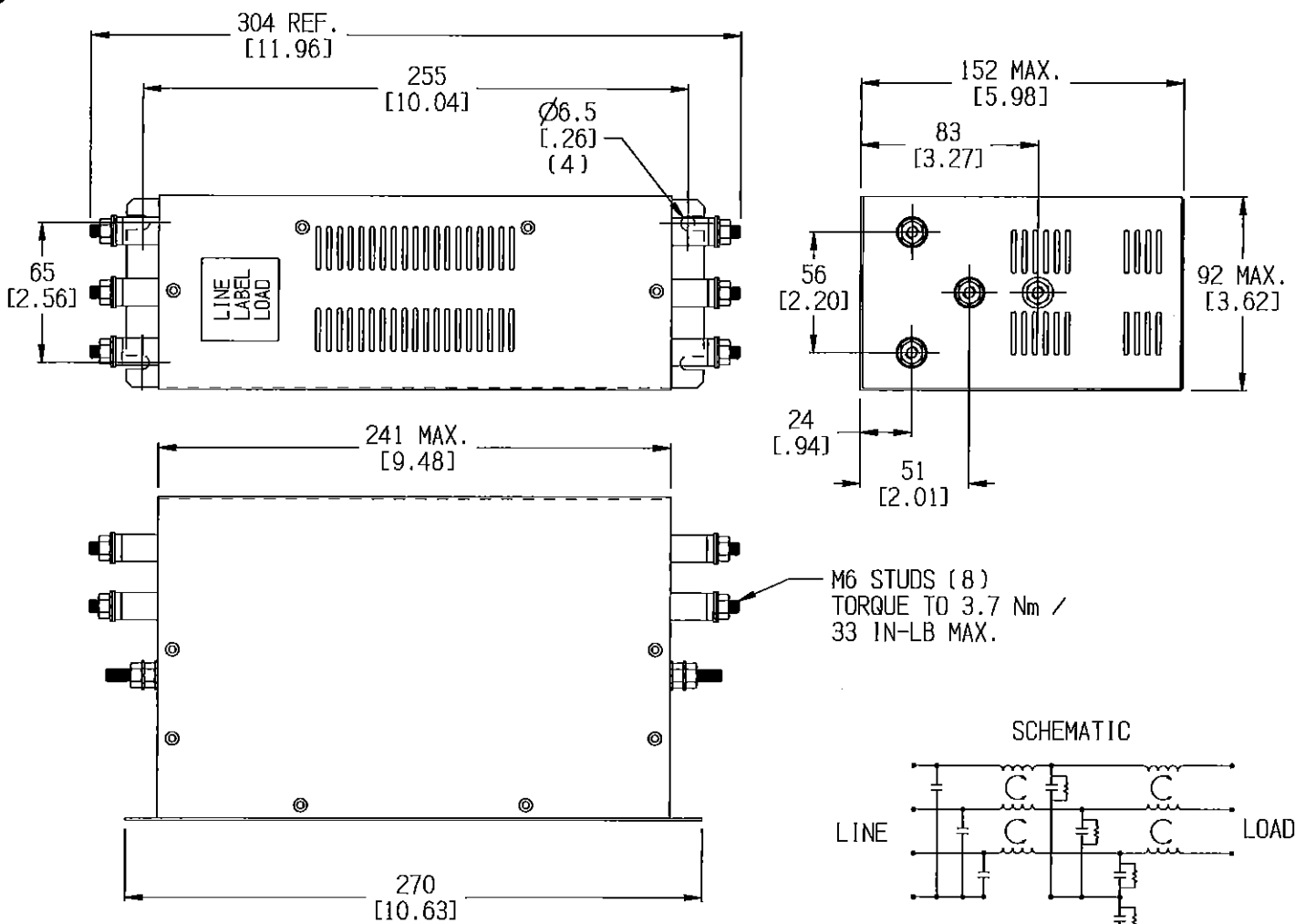
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15-011624	TAM	08DEC15

RECOMMENDED RECEIVING INSPECTION HIPOT:

LINE TO GROUND: 1850 VDC FOR 1 MINUTE
 LINE TO LINE: 1850 VDC FOR 1 MINUTE

FILTER APPROVAL:

THE BEST WAY TO SELECT AND QUALIFY A FILTER IS FOR YOUR ENGINEERING TO TEST THE UNIT IN YOUR EQUIPMENT.



NOTES:

1.) INSULATED TERMINALS ARE RECOMMENDED FOR WIRING TO THE FILTER

50 Ω - 50 Ω (TYPICAL) INSERTION LOSS												PARTS SHALL COMPLY WITH TYCO ELECTRONICS 138-702 SPECIFICATION FOR HAZARDOUS SUBSTANCES				
FREQUENCY Hz	.01	.03	.05	.10	.15	.30	.50	1.0	3.0	5.0	10	30	UNLESS OTHERWISE SPECIFIED TOLERANCE TO BE ±0.64 [±0.025] MATERIAL & FINISH: AS SUPPLIED DIMENSIONS IN MM [INCHES]			
COMMON dB	12	29	38	50	59	79	80	67	49	40	29	15	TE Connectivity CUSTOMER DRAWING			
DIFF. dB	28	37	38	47	70	73	76	78	68	64	58	34				
SHEET SIZE	THIRD ANGLE PROJECTION		THIS INFORMATION IS CONFIDENTIAL AND PROPRIETARY TO TYCO ELECTRONICS CORPORATION AND ITS WORLDWIDE SUBSIDIARIES AND AFFILIATES. IT MAY NOT BE DISCLOSED TO ANYONE OTHER THAN TYCO ELECTRONICS PERSONNEL, WITHOUT WRITTEN AUTHORIZATION FROM TYCO ELECTRONICS CORPORATION. (www.te.com)										TE PART NO.: 3-1609091-1			
			100BCF6-A.cld										SCALE: NTS	DATE: 30JUL15	DRAWING NUMBER: 100BCF6	REV. A